ABSTRACT OF THE DISCLOSURE

Host name data is "looped-back" from a native host name resolver included in a requesting computer system to a name resolution port that is also included in the requesting computer system. A replacement host name resolver monitors the name resolution port for host name data that is incompatible with name resolution techniques utilized by a network. The replacement host name resolver modifies the otherwise incompatible host name data for compatibility with name resolution techniques utilized by the network. Modifying host name data may include changing a transmission protocol associated with the host name data or formatting non-secure host name data for resolution with secure host name resolution techniques. The replacement host name resolver redirects compatible host name data to a module that may cause the host name data to be resolved into a network address. The network address may be provided to the native host name resolver.

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